



5129 N. Shirley St. Suite 100 | Ruston, WA 98407

September 15, 2009

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 159, August 2009
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me.

Sincerely,

Eric Pilcher, P.E.
Project Coordinator

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay
Karen Pickett - ASARCO

Monthly Report 159, August 2009
Operable Unit 02
Asarco Tacoma Smelter Site

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Met with EPA on August 7th and August 21st.
2. Continued weekly site- maintenance logs (see attached).
3. Maintained clean work area and road.
4. Remedial Action activities continued.
5. Training activities include the following:
 - Site specific Safety Orientation was held for:
 - i. (1) City of Tacoma parcel inspector
 - ii. (5) NW Utilities employees
 - iii. (2) City Electric employees
 - iv. (1) L&I inspector
 - v. (1) Burlington Northern environmental consultant
 - vi. (1) Ferguson employee
 - vii. (1) Allianz employee

B. Summary of sampling, tests, and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

Samples were collected by Point Ruston on August 10th, 17th, 24th and 31st. Please note that a break in the sample tubing at the North Outfall prevented collection at that outfall from August 3rd through August 9th. The tubing has since been repaired. Results from samples collected are attached. There were no exceedances.

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2. Point Ruston collects OCF leachate in a 5,000 gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 126 gallons per day on the LCRS (see attached correspondence and data). 4800 gallons of leachate were shipped on August 18th. A sample was collected on August 3rd. Results from the sample are attached (5.2 ppm).
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), South Gate. Air monitoring began on April 10th, 2008. Results for samples collected from July 27th through August 21st are attached. There was an exceedance of 0.23 ppm at the South Gate on July 28th. EPA was notified under a separate letter on August 19th. A copy of the letter is attached. Air monitoring results are also transmitted electronically to EPA for posting on the Region 10 website.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring was performed on August 19th during grading activities. Results for samples collected are attached. There were no exceedances.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Point Ruston submitted a draft submittal of the Upland OMMP to EPA on August 7th.
 - Point Ruston submitted revised infrastructure specifications to Tacoma on August 20th. Upon finalization of infrastructure specs, they will supersede those presently included in Appendix C of the General CMP.
2. Remedial Action included the following tasks:
 - OCF construction activities:
 - Maintained leachate collection system.
 - Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area
 - Continued home construction
 - Maintained site perimeter fence and signage at the north end of Stack Hill.

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- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained haul roads and stockpiles onsite
 - Maintained erosion and surface water controls
 - Continued earthwork to perform pre-load for the proposed Ruston Way alignment over the paleochannel

D. Actions scheduled for the next six weeks.

1. Perform additional soil testing in Ruston Way right-of-way.
2. Address any new or remaining comments on CMP – Master Infrastructure and Stack Hill Face
3. Address comments to be received on the Upland OMMP
4. Submit Revision 5 of the Construction Health and Safety Plan together with an updated Spanish translation
5. Submit a Sequencing of Development and Occupancy and Temporary Cap Plan
6. Submit Point Ruston CC&Rs
7. Consolidate PA documents as relevant to current RA plan
8. Meet with Tacoma Metro Parks to discuss the RA for the slag peninsula
9. The following Remedial Action tasks are planned to continue:
 - RA Monitoring:**
 - Outfall sampling (weekly composite samples) during scheduled months
 - Air monitoring during remedial action activities
 - OCF OMMP activities:**
 - Continue collection of leachate for offsite disposal
 - Continue monitoring of leachate volumes
 - Stack Hill construction activities:**
 - Erosion controls and site maintenance
 - Continue home construction
 - Begin face cap installation

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Site-wide construction activities:

- Continue surface water controls
- Maintain roads and stockpiles onsite
- Maintain erosion controls
- Construction activities for mass grading and Master Infrastructure
- Monitoring settling of Ruston Way alignment over the paleochannel
- Complete OCF Transformer & Vault relocation

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP. Revisions to the storm and sanitary sewer plans, and Project Specifications were submitted to Tacoma & Ruston during the month of August.
2. Point Ruston is coordinating with BNSF and Domestic Realty to secure grade, fill, access and utility easements upon property adjacent to Ruston Way.
3. Shoreline Substantial Development Permits (Tacoma and Ruston) and Conditional Use Permit (Ruston) have been approved in both municipalities.
 - a. An appeal has been filed to the Shoreline Hearing Board.
 - b. A Request for Reconsideration was filed to the Shoreline Hearing Board.
4. Dock Removal: Point Ruston, through its consultant, Parametrix, is continuing with Endangered Species Act consultation with U.S. Fish and Wildlife Service and National Marine Fisheries Service.

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston attends the Town of Ruston's Town Council meetings routinely to answer question or give briefings regarding the status of RA and development planning activities (1st and 3rd Monday of each month).

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2. Point Ruston is working with the City of Tacoma on development plans which incorporate remediation components for the site.
3. Point Ruston is working with MetroParks to incorporate the capping component into the Peninsula Park design, and is in talks to establish a Memorandum of Agreement to engage in design consultation for this site.
4. Point Ruston will meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

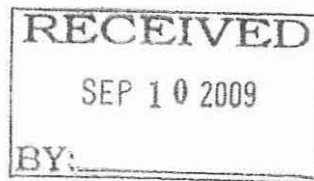
Table 1. Summary of August 2009 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.052	10.45%	0.005	1.00%	0.005	1.00%
North Outfall	0.015	2.93%	0.003	0.67%	0.000	0.00%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



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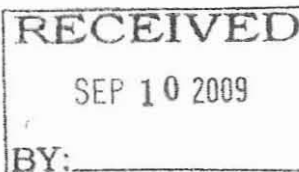
**** REPORT ****

Point Ruston LLC
Tim Rusher
5219 N Shirley St Ste 100
Tacoma WA 98407



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ANALYTICAL SUMMARY REPORT



September 04, 2009

Tim Rusher

Point Ruston LLC

5219 N Shirley St Ste 100

Tacoma, WA 98407

Workorder No.: B09090107

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 7 samples for Point Ruston LLC on 9/1/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B09090107-001	South TSM0809110	08/10/09 10:27	09/01/09	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B09090107-002	North TSM0809417	08/17/09 9:16	09/01/09	Aqueous	Same As Above
B09090107-003	South TSM0809117	08/17/09 9:44	09/01/09	Aqueous	Same As Above
B09090107-004	North TSM0809424	08/24/09 7:45	09/01/09	Aqueous	Same As Above
B09090107-005	South TSM0809124	08/24/09 8:00	09/01/09	Aqueous	Same As Above
B09090107-006	North TSM0809431	08/31/09 9:39	09/01/09	Aqueous	Same As Above
B09090107-007	South TSM0809131	08/31/09 10:21	09/01/09	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these tests results, please call.

Report Approved By: _____



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-001
Client Sample ID: South TSM0809110

Report Date: 09/04/09
Collection Date: 08/10/09 10:27
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.049	mg/L		0.005		E200.8	09/03/09 03:56 / jjw
Copper	ND	mg/L		0.01		E200.8	09/03/09 03:56 / jjw
Zinc	ND	mg/L		0.01		E200.8	09/03/09 03:56 / jjw

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-002
Client Sample ID: North TSM0809417

Report Date: 09/04/09
Collection Date: 08/17/09 09:16
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005		E200.8	09/03/09 04:00 / jjw
Copper	0.01	mg/L		0.01		E200.8	09/03/09 04:00 / jjw
Zinc	ND	mg/L		0.01		E200.8	09/03/09 04:00 / jjw

Report
Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-003
Client Sample ID: South TSM0809117

Report Date: 09/04/09
Collection Date: 08/17/09 09:44
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.046	mg/L		0.005		E200.8	09/03/09 04:04 / jjw
Copper	ND	mg/L		0.01		E200.8	09/03/09 04:04 / jjw
Zinc	ND	mg/L		0.01		E200.8	09/03/09 04:04 / jjw

Report
Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-004
Client Sample ID: North TSM0809424

Report Date: 09/04/09
Collection Date: 08/24/09 07:45
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.014	mg/L		0.005		E200.8	09/03/09 04:08 / jjw
Copper	ND	mg/L		0.01		E200.8	09/03/09 04:08 / jjw
Zinc	ND	mg/L		0.01		E200.8	09/03/09 04:08 / jjw

Report
Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-005
Client Sample ID: South TSM0809124

Report Date: 09/04/09
Collection Date: 08/24/09 08:00
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.060	mg/L		0.005		E200.8	09/03/09 15:48 / jjw
Copper	0.01	mg/L		0.01		E200.8	09/03/09 15:48 / jjw
Zinc	0.01	mg/L		0.01		E200.8	09/03/09 15:48 / jjw

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-006
Client Sample ID: North TSM0809431

Report Date: 09/04/09
Collection Date: 08/31/09 09:39
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.014	mg/L		0.005		E200.8	09/03/09 04:12 / jjw
Copper	ND	mg/L		0.01		E200.8	09/03/09 04:12 / jjw
Zinc	ND	mg/L		0.01		E200.8	09/03/09 04:12 / jjw

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B09090107-007
Client Sample ID: South TSM0809131

Report Date: 09/04/09
Collection Date: 08/31/09 10:21
Date Received: 09/01/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.054	mg/L		0.005		E200.8	09/03/09 04:17 / jjw
Copper	0.01	mg/L		0.01		E200.8	09/03/09 04:17 / jjw
Zinc	0.01	mg/L		0.01		E200.8	09/03/09 04:17 / jjw

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 09/04/09
Work Order: B09090107

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 41161
Sample ID: MB-41161	Method Blank		Run: ICPMS202-B_090902A				09/02/09 13:44		
Arsenic	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Zinc	0.001	mg/L	0.0005						
Sample ID: LCS5-41161	Laboratory Control Sample		Run: ICPMS202-B_090902A				09/02/09 13:48		
Arsenic	0.547	mg/L	0.0050	109	85	115			
Copper	0.494	mg/L	0.010	99	85	115			
Zinc	0.521	mg/L	0.010	104	85	115			
Sample ID: B09090058-001EMS5	Sample Matrix Spike		Run: ICPMS202-B_090902A				09/02/09 14:20		
Arsenic	0.549	mg/L	0.0050	109	70	130			
Copper	0.493	mg/L	0.010	99	70	130			
Zinc	0.523	mg/L	0.010	104	70	130			
Sample ID: B09090058-001EMSD5	Sample Matrix Spike Duplicate		Run: ICPMS202-B_090902A				09/02/09 14:23		
Arsenic	0.535	mg/L	0.0050	107	70	130	2.6	20	
Copper	0.476	mg/L	0.010	95	70	130	3.6	20	
Zinc	0.506	mg/L	0.010	101	70	130	3.3	20	
Method: E200.8									Analytical Run: ICPMS202-B_090902A
Sample ID: QCS - 090602A,090609B,	Initial Calibration Verification Standard						09/02/09 22:50		
Arsenic	0.0494	mg/L	0.0050	99	90	110			
Copper	0.0487	mg/L	0.010	97	90	110			
Zinc	0.0490	mg/L	0.010	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 09/04/09
Work Order: B09090107

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: ICPMS202-B_090903A		
Sample ID: QCS - 090602A,090609B, Initial Calibration Verification Standard							09/03/09 12:52		
Arsenic	0.0496	mg/L	0.0050	99	90	110			
Copper	0.0511	mg/L	0.010	102	90	110			
Zinc	0.0503	mg/L	0.010	101	90	110			
Method: E200.8							Batch: R135481		
Sample ID: LRB Method Blank							Run: ICPMS202-B_090903A 09/03/09 13:28		
Arsenic	ND	mg/L	3E-05						
Copper	0.0001	mg/L	8E-05						
Zinc	0.0010	mg/L	0.0001						
Sample ID: LFB Laboratory Fortified Blank							Run: ICPMS202-B_090903A 09/03/09 13:32		
Arsenic	0.0493	mg/L	0.0050	99	85	115			
Copper	0.0517	mg/L	0.010	103	85	115			
Zinc	0.0509	mg/L	0.010	100	85	115			
Sample ID: B09090123-002AMS Sample Matrix Spike							Run: ICPMS202-B_090903A 09/03/09 16:25		
Arsenic	2.59	mg/L	0.0050		70	130			A
Copper	0.0514	mg/L	0.010	98	70	130			
Zinc	0.0510	mg/L	0.010	98	70	130			
Sample ID: B09090123-002AMSD Sample Matrix Spike Duplicate							Run: ICPMS202-B_090903A 09/03/09 16:29		
Arsenic	2.59	mg/L	0.0050		70	130	0.2	20	A
Copper	0.0514	mg/L	0.010	99	70	130	0.1	20	
Zinc	0.0505	mg/L	0.010	98	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

Energy Laboratories Inc

Workorder Receipt Checklist



B09090107

Point Ruston LLC

Login completed by: Leslie S. Cadreau

Date and Time Received: 9/1/2009 9:00 AM

Reviewed by: BL2000\kmcDonald

Received by: klb

Reviewed Date: 9/1/2009 3:00:56 PM

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	10°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

OUT FALLS

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
TACOMA SMELTER		OUTFALL SAMPLES		AS CU, ZN			
SAMPLERS: (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
8/10/09	SOUTH	10:27	✓		TSM0809110	1	✓
8/17/09	NORTH	09:16	✓		TSM0809417	1	✓
8/17/09	SOUTH	09:44	✓		TSM0809117	1	✓
8/24/09	NORTH	07:45	✓		TSM0809424	1	✓
8/24/09	SOUTH	08:00	✓		TSM0809124	1	✓
8/31/09	NORTH	9:39	✓		TSM0809431	1	✓
8/31/09	SOUTH	10:21	✓		TSM0809131	1	✓
						809090107	
						-001	
						-002	
						-003	
						-004	
						-005	
						-006	
						-007	
						THANK YOU	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab	
		8/31/09 FedEx				10° no ice	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Shipped via: FedEx, UPS or Other	
						Air Bill #	
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Remarks	
				Kris Brecken		Fed Ex GRD	
						Custody seals on bottles only	
						Enclosed:	
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
						Date/Time	
						9/1/09 09:00	
						Split Samples:	
						<input type="checkbox"/> Accepted <input type="checkbox"/> Declined	
						Signature	



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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

ANALYTICAL SUMMARY REPORT

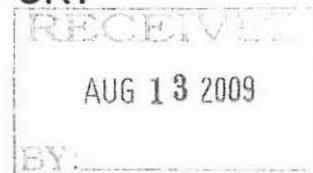
August 10, 2009

Tim Rusher

Point Ruston LLC

5219 N Shirley St Ste 100

Tacoma, WA 98407



Workorder No.: B09080199

Project Name: Tacoma Smelter OCF-Leachate

Energy Laboratories Inc received the following 1 sample for Point Ruston LLC on 8/4/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B09080199-001	TSM080903	08/03/09 8:32	08/04/09	Aqueous	Metals by ICP, Total Metals Preparation by EPA 200.2

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: _____



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter OCF-Leachate
Lab ID: B09080199-001
Client Sample ID: TSM080903

Report Date: 08/10/09
Collection Date: 08/03/09 08:32
Date Received: 08/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	5.2	mg/L		0.1		E200.7	08/07/09 21:47 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter OCF-Leachate

Report Date: 08/10/09
Work Order: B09080199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 40523
Sample ID: MB-40523	Method Blank					Run: ICP201-B_090805A			08/06/09 02:05
Arsenic	ND	mg/L	0.01						
Sample ID: LCS5-40523	Laboratory Control Sample					Run: ICP201-B_090805A			08/06/09 02:40
Arsenic	0.451	mg/L	0.010	90	85	115			
Sample ID: B09080066-001AMS5	Sample Matrix Spike					Run: ICP201-B_090805A			08/06/09 03:27
Arsenic	0.967	mg/L	0.020	97	70	130			
Sample ID: B09080066-001AMSD5	Sample Matrix Spike Duplicate					Run: ICP201-B_090805A			08/06/09 03:31
Arsenic	1.06	mg/L	0.020	106	70	130	9	20	
Sample ID: MB-40523	Method Blank					Run: ICP201-B_090807A			08/07/09 21:43
Arsenic	ND	mg/L	0.01						
Method: E200.7									Analytical Run: ICP201-B_090807A
Sample ID: ICV	Continuing Calibration Verification Standard								08/07/09 10:32
Arsenic	2.39	mg/L	0.10	96	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Workorder Receipt Checklist



B09080199

Point Ruston LLC

Login completed by: Leslie S. Cadreau

Date and Time Received: 8/4/2009 9:25 AM

Reviewed by: BL2000\kmcDonald

Received by: Isc

Reviewed Date: 8/5/2009 6:55:40 AM

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	13°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

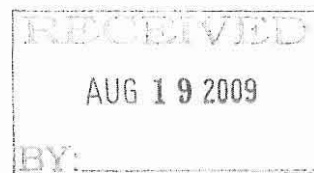
CHAIN OF CUSTODY RECORD

[illegible]



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08/14/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/03/2009
Spectra Project: 2009080018

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189623	1	Arsenic	0.11	µg/m3	SW846 6010B	Filter	07/27/2009
8189623	1	Lead	0.06	µg/m3	SW846 6010B	Filter	07/27/2009
8189622	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2009
8189622	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2009
8189621	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2009
8189621	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2009
8189620	4	Arsenic	0.23	µg/m3	SW846 6010B	Filter	07/28/2009
8189620	4	Lead	0.17	µg/m3	SW846 6010B	Filter	07/28/2009
8189619	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009
8189619	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009
8189618	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009
8189618	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009
8189616	7	Arsenic	0.06	µg/m3	SW846 6010B	Filter	07/29/2009
8189616	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2009
8189615	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2009
8189615	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2009

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Steve Hibbs, Laboratory Manager

a8/scj



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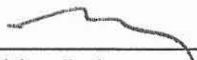
08/14/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/03/2009
Spectra Project: 2009080018

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189614	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2009
8189614	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2009
8189613	10	Arsenic	0.06	µg/m3	SW846 6010B	Filter	07/30/2009
8189613	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2009
8189612	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2009
8189612	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2009
8189611	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2009
8189611	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2009
8189610	13	Arsenic	0.17	µg/m3	SW846 6010B	Filter	07/31/2009
8189610	13	Lead	0.14	µg/m3	SW846 6010B	Filter	07/31/2009
8189609	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/31/2009
8189609	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/31/2009
8189608	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/31/2009
8189608	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/31/2009
8189617	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009
8189617	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2009

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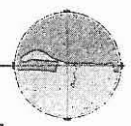


Steve Hibbs, Laboratory Manager

a8/scj

PAGE 1 of 2
2009080018

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		POINT RUSTON, LLC HI-VOL																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
7/27/09	SG		✓		8189623	1	✓													
7/27/09	DCF-VI		✓		8189622	1	✓													
7/27/09	DCF-NW		✓		8189621	1	✓													
7/28/09	SG		✓		8189620	1	✓													
7/28/09	DCF-VI		✓		8189619	1	✓													
7/28/09	DCF-NW		✓		8189618	1	✓													
7/29/09	SG		✓		8189616	1	✓													
7/29/09	DCF-VI		✓		8189615	1	✓													
7/29/09	DCF-NW		✓		8189614	1	✓													
7/30/09	SG		✓		8189613	1	✓													
7/30/09	DCF-VI		✓		8189612	1	✓													
7/30/09	DCF-NW		✓		8189611	1	✓													
7/31/09	SG		✓		8189610	1	✓													
7/31/09	DCF-VI		✓		8189609	1	✓													
7/31/09	DCF-NW		✓		8189608	1	✓													
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other Air Bill #								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
										Split Samples: [] Accepted [] Declined										
										Signature										

[illegible]



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AUG 19 2009

BY:

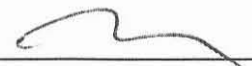
08/14/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/10/2009
Spectra Project: 2009080135

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189607	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189607	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189606	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189606	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189605	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189605	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/03/2009
8189604	4	Arsenic	0.08	µg/m3	SW846 6010B	Filter	08/04/2009
8189604	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2009
8189603	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2009
8189603	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2009
8189602	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2009
8189602	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2009
8189601	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189601	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189900	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189900	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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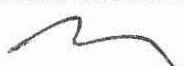
08/14/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/10/2009
Spectra Project: 2009080135

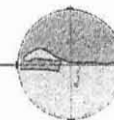
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8189899	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189899	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189897	10	Arsenic	0.06	µg/m3	SW846 6010B	Filter	08/06/2009
8189897	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2009
8189896	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2009
8189896	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2009
8189895	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2009
8189895	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2009
8189894	13	Arsenic	0.19	µg/m3	SW846 6010B	Filter	08/07/2009
8189894	13	Lead	0.12	µg/m3	SW846 6010B	Filter	08/07/2009
8189893	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/07/2009
8189893	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/07/2009
8189892	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/07/2009
8189892	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/07/2009
8189898	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009
8189898	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



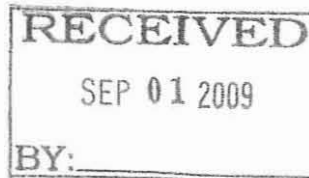
CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		POINT RUSTON, LLC HI-VOL																		
SAMPLERS: (Signature)				JR																
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
8/3/09	SG		✓		8189601	✓														
8/3/09	OCF-VI		✓		8189606	✓														
8/3/09	OCF-NW		✓		8189605	✓														
8/4/09	SG		✓		8189604	✓														
8/4/09	OCF-VI		✓		8189603	✓														
8/4/09	OCF-NW		✓		8189602	✓														
8/5/09	SG		✓		8189601	✓														
8/5/09	OCF-VI		✓		8193900	✓														
8/5/09	OCF-NW		✓		8193899	✓														
8/6/09	SG		✓		8193897	✓														
8/6/09	OCF-VI		✓		8193896	✓														
8/6/09	OCF-NW		✓		8193895	✓														
8/7/09	SG		✓		8193894	✓														
8/7/09	OCF-VI		✓		8193893	✓														
8/7/09	OCF-NW		✓		8193892	✓														
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Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
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Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
[Signature]												<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				



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08/28/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 08/17/2009
Spectra Project: 2009080272

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193891	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193891	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193890	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193890	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193889	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193889	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2009
8193888	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193888	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193887	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193887	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193886	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193886	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2009
8193885	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009
8193885	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009
8193884	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009
8193884	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

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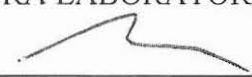
08/28/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 08/17/2009
Spectra Project: 2009080272

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193883	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009
8193883	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2009
8193882	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193882	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193881	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193881	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193880	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193880	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193878	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193878	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193877	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193877	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193876	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193876	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/14/2009
8193879	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009
8193879	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2009

SPECTRA LABORATORIES



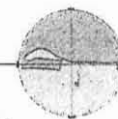
Steve Hibbs, Laboratory Manager

a8/scj

PAGE 1 of 2

2009080272

POINT RUSTON



5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

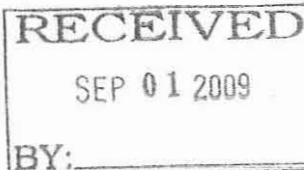
PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS													
AIR MONITORING		POINT RUSTON, LLC (HI-VOL)																		
SAMPLERS: (Signature)						AS-PD														
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
8/10/09	SG		✓		8193891	1	✓													
8/10/09	OCF-VI		✓		8193890	1	✓													
8/10/09	OCF-NW		✓		8193889	1	✓													
8/11/09	SG		✓		8193888	1	✓													
8/11/09	OCF-VI		✓		8193887	1	✓													
8/11/09	OCF-NW		✓		8193886	1	✓													
8/12/09	SG		✓		8193885	1	✓													
8/12/09	OCF-VI		✓		8193884	1	✓													
8/12/09	OCF-NW		✓		8193883	1	✓													
8/13/09	SG		✓		8193882	1	✓													
8/13/09	OCF-VI		✓		8193881	1	✓													
8/13/09	OCF-NW		✓		8193880	1	✓													
8/14/09	SG		✓		8193879	1	✓													
8/14/09	OCF-VI		✓		8193877	1	✓													
8/14/09	OCF-NW		✓		8193876	1	✓													
Relinquished (Signature)						Date/Time		Received by: (Signature)				Lab		Shipped via: FedEx, UPS or Other						
[Signature]						8/17/09 1252		[Signature]				SPECTA		Air Bill #						
Relinquished (Signature)						Date/Time		Received by: (Signature)				Remarks								
Relinquished (Signature)						Date/Time		Received for Laboratory by: (Signature)				Date/Time		Enclosed:						
														<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter						
Split Samples:										<input type="checkbox"/> Accepted <input type="checkbox"/> Declined										
										Signature										

[illegible]



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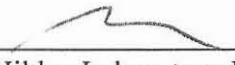
08/28/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/24/2009
Spectra Project: 2009080375

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193875	1	Arsenic	0.12	µg/m3	SW846 6010B	Filter	08/17/2009
8193875	1	Lead	0.07	µg/m3	SW846 6010B	Filter	08/17/2009
8193874	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2009
8193874	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2009
8193873	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2009
8193873	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2009
8193872	4	Arsenic	0.11	µg/m3	SW846 6010B	Filter	08/18/2009
8193872	4	Lead	0.09	µg/m3	SW846 6010B	Filter	08/18/2009
8193871	5	Arsenic	0.05	µg/m3	SW846 6010B	Filter	08/18/2009
8193871	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/18/2009
8193870	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/18/2009
8193870	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/18/2009
8193869	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009
8193869	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009
8193868	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009
8193868	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009

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Steve Hibbs, Laboratory Manager

a8/scj



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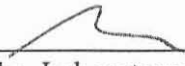
08/28/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/24/2009
Spectra Project: 2009080375

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193867	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009
8193867	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2009
8193866	10	Arsenic	0.14	µg/m3	SW846 6010B	Filter	08/20/2009
8193866	10	Lead	0.08	µg/m3	SW846 6010B	Filter	08/20/2009
8193865	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2009
8193865	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2009
8193864	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2009
8193864	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2009
8193863	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009
8193863	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009
8193862	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009
8193862	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009
8193861	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009
8193861	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/21/2009

SPECTRA LABORATORIES



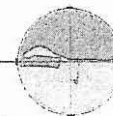
Steve Hibbs, Laboratory Manager

a8/scj

PAGE 10FL

CHAIN OF CUSTODY RECORD

2007080375

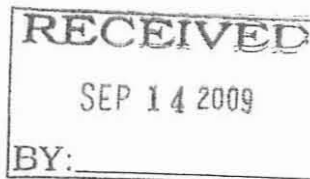
POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		POINT RUSTON LLC (H1-2021)																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
8/17/09	SG		✓		8193875	1	✓													
8/17/09	OCF-VI		✓		8193874	1	✓													
8/17/09	OCF-NW		✓		8193873	1	✓													
8/18/09	SG		✓		8193872	1	✓													
8/18/09	OCF-VI		✓		8193871	1	✓													
8/18/09	OCF-NW		✓		8193870	1	✓													
8/19/09	SG		✓		8193869	1	✓													
8/19/09	OCF-VI		✓		8193868	1	✓													
8/19/09	OCF-NW		✓		8193867	1	✓													
8/20/09	SG		✓		8193866	1	✓													
8/20/09	OCF-VI		✓		8193865	1	✓													
8/20/09	OCF-NW		✓		8193864	1	✓													
8/21/09	SG		✓		8193863	1	✓													
8/21/09	OCF-VI		✓		8193862	1	✓													
8/21/09	OCF-NW		✓		8193861	1	✓													
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other								
[Signature]			8/24 1303			[Signature]			SPECTRA			Air Bill #								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples: [] Accepted [] Declined																				
Signature																				



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09/10/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/31/2009
Spectra Project: 2009090001

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193860	1	Arsenic	0.06	µg/m3	SW846 6010B	Filter	08/24/2009
8193860	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193859	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193859	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193858	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193858	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193856	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193856	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193855	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193855	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193854	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193854	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2009
8193853	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009
8193853	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009
8193852	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009
8193852	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009

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Steve Hibbs, Laboratory Manager

a8/scj



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09/10/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 08/31/2009
Spectra Project: 2009090001

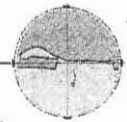
<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8193851	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009
8193851	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2009
8193850	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193850	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193849	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193849	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193848	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193848	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2009
8193847	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193847	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193846	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193846	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193845	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193845	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/28/2009
8193857	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009
8193857	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

PAGE 1 OF 2

POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2009090001

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS													
AIR MONITORING		POINT RUSTON, LLC (HI-VOL)																		
SAMPLERS: (Signature)						AS, Pb														
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
8/24/09	SG		✓		8193860	1	✓													
8/24/09	OCF-VI		✓		8193859	1	✓													
8/24/09	OCF-NW		✓		8193858	1	✓													
8/25/09	SG		✓		8193856	1	✓													
8/25/09	OCF-VI		✓		8193855	1	✓													
8/25/09	OCF-NW		✓		8193854	1	✓													
8/26/09	SG		✓		8193853	1	✓													
8/26/09	OCF-VI		✓		8193852	1	✓													
8/26/09	OCF-NW		✓		8193851	1	✓													
8/27/09	SG		✓		8193850	1	✓													
8/27/09	OCF-VI		✓		8193849	1	✓													
8/27/09	OCF-NW		✓		8193848	1	✓													
8/28/09	SG		✓		8193847	1	✓													
8/28/09	OCF-VI		✓		8193846	1	✓													
8/28/09	OCF-NW		✓		8193845	1	✓													
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS or Other _____ Air Bill # _____												
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks														
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter												
Split Samples: [] Accepted [] Declined _____ Signature _____																				

[illegible]



August 19, 2009

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

**RE: Notification of Exceedance
OU 02, Former Asarco/Tacoma Smelter Site**

Dear Mr. Rochlin:

Please be advised that our Hi-Vol air monitor sampler near the South Gate recorded an Arsenic concentration level of 0.230 $\mu\text{g}/\text{m}^3$ during its operation from July 28, 08:19am through July 29, 08:45am. The report was received via mail on August 18th.

The following observations were noted during this time period:

Thursday July 28, 2009; Sample Times (08:19am – midnight)

Weather:

Low 67 degrees / High 94 degrees; NE winds 4 mph with gusts to 8 mph; no measurable precipitation.

On-site activity:

No significant on-site activity was conducted in the vicinity of the S. Gate.
No subcontractors were working on building construction during this time.
No delivery or visitor activities were conducted via the South Gate.
Site crews worked at the North end of the site removing the haul road from Stack Hill.
Dust control measures were performed during this operation.
Nuprecon exported concrete stock piles from near the North Outfall area via the North Gate, utilizing the tunnel bypass route (See Attached) to Ruston Way.
MRC imported RA soils from Ruston Way, utilizing the tunnel bypass; however they continued down Pearl to 54th Street, using the 54th Street Gate.

Off-site activity:

The nearest notable offsite activity was MRC's remediation activities along Ruston Way, south of the site. MRC was observed to be using water for dust control. No notable dust was seen being generated from their work area.

Friday July 29, 2009; Sample Times (midnight – 08:45am)

Weather:

Low 69 degrees / High 102 degrees; NNE winds 3.5 mph with gusts to 6 mph; no measurable precipitation.

On-site activity:

No significant on-site activity was conducted in the vicinity of the S. Gate.

No subcontractors were working on building construction during this time.

Site crews worked at the North end of the site removing the haul road from Stack Hill.

Dust control measures were performed during this operation.

Exposure evaluations were conducted during work activities. No exceedances were reported for the Personal Air Monitoring.

Nuprecon had ceased exporting and performed decontamination of equipment near the North Outfall area.

MRC imported RA soils from Ruston Way utilizing the tunnel bypass; however they continued down Pearl to 54th Street, using the 54th Street Gate.

Off-site activity:

The nearest notable offsite activity was MRC's remediation activities along Ruston Way south of the site. MRC was observed to be using water for dust control. No notable dust was seen being generated from their work area.

On-site areas near the S. Gate location are capped with clean materials or covered with vegetation. No visible dust was generated on-site by vehicle traffic or winds during the sample period. A possible source is from the offsite dirt areas along Ruston Way.

We also note that while the action evaluation trigger level of 0.2 $\mu\text{g}/\text{m}^3$ was exceeded, the result is well below the regulated action level of 0.5 $\mu\text{g}/\text{m}^3$. We will continue to check our Hi-Vol results and inform you of any additional exceedances.

If you have any questions, please contact me at (253) 752-2185 extension 240, or via email to eric@mcconstruction.com.

Sincerely,



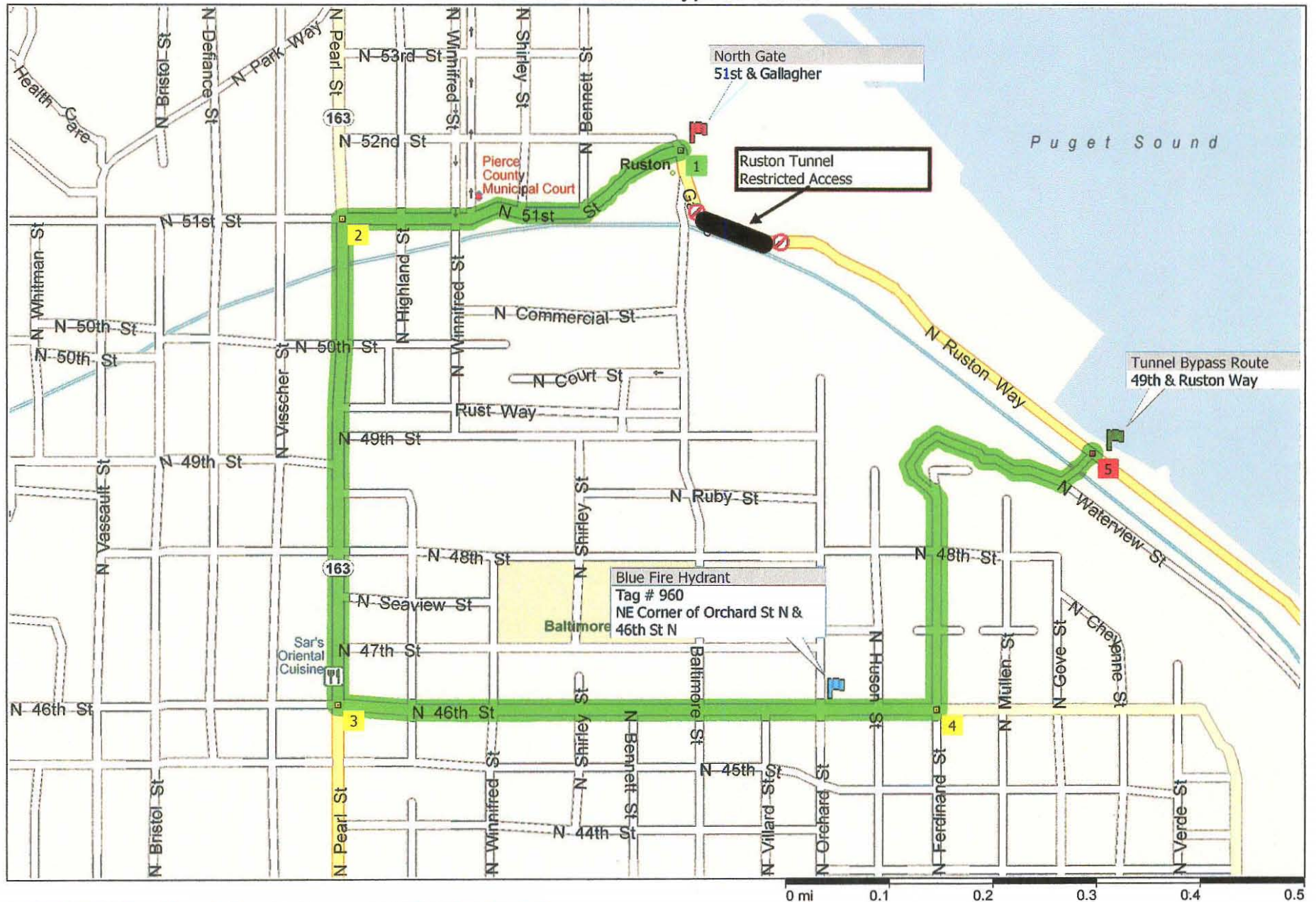
Eric L. Pilcher, P.E.

RA Coordinator/Development Project Engineer

cc: Loren Cohen, Point Ruston
Gary Pedersen, Point Ruston

encl.

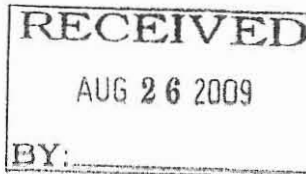
Ruston Tunnel Bypass Route





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08/25/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: LID/2008 MRC Imported Soils
Sample Matrix: Air Cassette
Date Sampled: 08/19/2009
Date Received: 08/20/2009
Spectra Project: 2009080336

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
081909-719	1	Arsenic	0.19	µg/m3	SW846 6020A
081909-719	1	Lead	0.30	µg/m3	SW846 6020A
081909-123	2	Arsenic	0.043	µg/m3	SW846 6020A
081909-123	2	Lead	0.090	µg/m3	SW846 6020A
081909-181	3	Arsenic	0.043	µg/m3	SW846 6020A
081909-181	3	Lead	0.066	µg/m3	SW846 6020A
081909-646	4	Arsenic	< 0.004	µg/m3	SW846 6020A
081909-646	4	Lead	0.029	µg/m3	SW846 6020A

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/scj

200908038

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

COCForm - 8/07



Weekly Site Inspection Report No. 2009-0802
 Week of 8/2 - 8, 2009 Inspector TIM RUSHER
 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
North (electric)	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th (Other) ELECT	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	PELLEND EXCAVATING USING STACKHILL FOR PARKING EQUIPMENT. DIESEL SPILLS NOTED ON STREET
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	G	(F)	P	Y	(N)	C.B. @ END OF BALTIMORE GETTING DIRTY
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2009-0802
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
<u>STACK HILL #32</u>	G	(F)	P	Y	(N)	
	G	F	P	Y	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	(F)	P	(Y)	N	NEED TO FINISH U.S
Construction Super.	G	(F)	P	(Y)	N	
Other	G	(F)	P	(Y)	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: PELLED EXCAVATING IS DOING EXCAVATION WORK FOR A PRIVATE HOME ON COURT STREET 1/2 BLOCK WEST OF BALTIMORE. THEY HAVE BEEN USING STACK HILL AS A TURN AROUND FOR DUMP TRUCKS & TRAILERS. AT TIMES THEY HAVE BEEN DRIVING OVER SIDEWALKS & CURBS. SEVERAL FUEL SPILLS MAY CAUSE PREMATURE BREAKDOWN OF ASPHALT. OBSERVATIONS REPORTED TO ROD MCGARTEN WHO IS MANAGING STACK HILL.

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 8/2	61/92 SSW WIND 4.3 mph / GUST 6 mph, NO PRECIPITATION
Monday 3	56/84 SW WIND 6 mph / GUST 9 mph, NO PRECIPITATION
Tuesday 4	57/76 SW WIND 5.8 mph / GUST 10 mph, NO PRECIPITATION
Wednesday 5	54/72 SW WIND 4 mph / GUST 8 mph, NO PRECIPITATION
Thursday 6	56/77 SSW WIND 2.5 mph / GUST 6 mph, NO PRECIPITATION
Friday 7	56/67 SW WIND 6 mph / GUST 11 mph, NO PRECIPITATION
Saturday 8	53/71 SW WIND 4 mph / GUST 8 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/10/09

SIGNED: _____

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



Weekly Site Inspection Report No. 2009-0809
 Week of 8/9-15, 2009 Inspector Tim RUSHER
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
North (electric)	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th (Other) Elect.	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	G	(F)	P	Y	(N)	Will NEED CLEANING SOON (still okay)
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2009-0809
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	<u>G</u>	F	P	Y	<u>N</u>	
Signs	<u>G</u>	F	P	Y	<u>N</u>	
(Other)	G	F	P	Y	N	
Cameras:						
<u>STACK #32</u>	<u>G</u>	F	P	Y	<u>N</u>	
	G	F	P	Y	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 9	<u>60</u> [#] 73 SW WINDS 5 mph / GUST 10 mph, NO PRECIPITATION
Monday 10	<u>55</u> [#] 71 SW WINDS 4.5 mph / GUST 9 mph, NO PRECIPITATION
Tuesday 11	<u>59</u> [#] 72 SW WINDS 3 mph / GUST 5 mph, PRECIP MORNING 0.08"
Wednesday 12	<u>59</u> [#] 74 NWE WINDS 4 mph / GUST 10 mph, PRECIP 0.2" MORNING
Thursday 13	<u>56</u> [#] 60 SW WINDS 5 mph / GUST 8 mph, NO PRECIPITATION
Friday 14	<u>56</u> [#] 71 SSW WINDS 5 mph / GUST 8 mph, NO PRECIPITATION
Saturday 15	<u>52</u> [#] 68 SSW WINDS 2 mph / GUST 6 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/17/09 SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



Weekly Site Inspection Report No. 2009-0816
Week of 8/16-22, 2009 Inspector TIM RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
North (electric)	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	NEEDS GREASING (STARTING TO SQUEAK)
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th (Other) ELECT.	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2009-0816
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
STACK Hill # 32	(G)	F	P	Y	(N)	
	G	F	P	Y	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	(F)	P	(Y)	N	NEEDS VS COMPLETED
Construction Super.	G	(F)	P	(Y)	N	
Other	G	(F)	P	(Y)	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 16	54/73 NW WINDS 3 mph/GUST 6 mph, NO PRECIPITATION
Monday 17	50/78 NE WINDS 3 mph/GUST 5 mph, NO PRECIPITATION
Tuesday 18	58/80 NNE WINDS 3 mph/GUST 5 mph, NO PRECIPITATION
Wednesday 19	61/84 NNE WINDS 4 mph/GUST 10 mph, NO PRECIPITATION
Thursday 20	60/77 SW WINDS 7 mph/GUST 10 mph, NO PRECIPITATION
Friday 21	60/71 SSW WINDS 5 mph/GUST 8 mph, NO PRECIPITATION
Saturday 22	59/72 NW WINDS 4 mph/GUST 6 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/24/09 SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



Weekly Site Inspection Report No. 2009-0823
Week of 8/23-29, 2009 Inspector TIM RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
North (electric)	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th (Other) ELECT.	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	ADDED NOTRESPASS/FISH/HUNT/VIOLATORS PROSEC. SIGNS ALONG WATER AT S. END.
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	MOVED TEMP FENCE @ S. END TO ENCOMPASS METER POLE.
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2009-0823
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
<u>STACK Hill #32</u>	(G)	F	P	Y	(N)	
	G	F	P	Y	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	(F)	P	(Y)	N	V.5 IN PROGRESS FINAL EDITS
Construction Super.	G	(F)	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday <u>23</u>	<u>54/69</u> SWN WINDS 4 mph / GUST 5 mph, PRECIP. EVE. <u>0.39"</u>
Monday <u>24</u>	<u>51/73</u> NNE WINDS 4 mph / GUST 7 mph, NO PRECIPITATION
Tuesday <u>25</u>	<u>55/74</u> SSW WINDS 5 mph / GUST 10 mph, NO PRECIPITATION
Wednesday <u>26</u>	<u>52/73</u> NNE WINDS 3 mph / GUST 5 mph, NO PRECIPITATION
Thursday <u>27</u>	<u>52/85</u> NE WINDS 4 mph / GUST 5 mph, NO PRECIPITATION
Friday <u>28</u>	<u>50/81</u> SSW WINDS 6 mph / GUST 10 mph, NO PRECIPITATION
Saturday <u>29</u>	<u>59/72</u> SWN WINDS 4 mph / GUST 7 mph, PRECIP MOR. <u>0.12"</u>

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/31/09 SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER